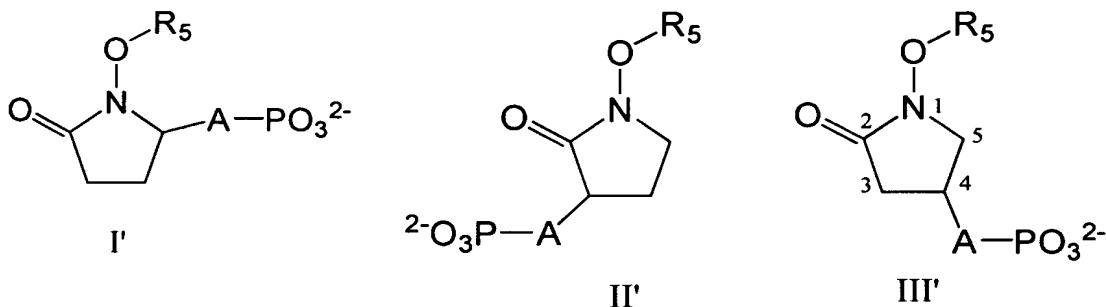


U.S. Patent Application No. 09/868,962
Atty Docket No. 40770-000148/US
Appendix

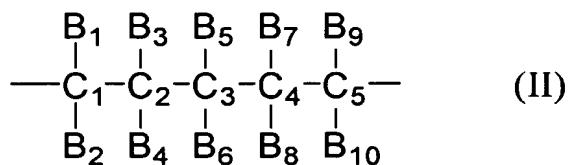
LISTING OF CLAIMS (clean)

1-12. (CANCELED)

13. (CURRENTLY AMENDED) An organophosphorus compound according to one of the formulas I', II' or III'



wherein A is selected from the group which consists of a (C₁₋₉) alkylene residue; which may comprise one or more double bonds and may be substituted with hydroxy, halogen, amino, oxo groups with branched or unbranched C₁₋₉ alkyl groups and C₂₋₉ alkenyl groups, wherein the C₁₋₉ alkyl groups and C₂₋₉ alkenyl groups may be substituted with hydrogen, hydroxy, amino, halogen and oxo groups, -C-O-C- and -C-N-C-, wherein the carbon atoms of -C-O-C- and -C-N-C- may be substituted with an alkyl having up to 7 carbon atoms or hydroxy groups, or in which A is of the following formula (II):



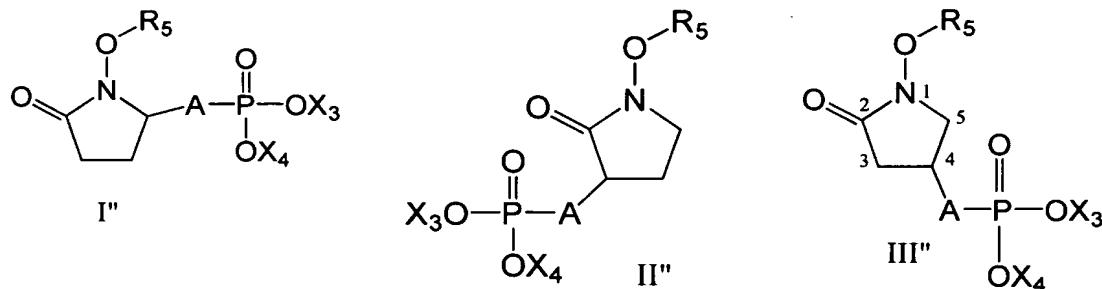
wherein one or more of the carbon atoms selected from the group C₃, C₄, C₅, together with their substituents, may also be absent, and at least one substituent present in the range from B₁ to B₁₀ is a C₁₋₈-cycloalkyl-(C₀₋₉)-alkyl group, wherein both the C₁₋₈ cycloalkyl group and the C₀₋₉ alkyl group may comprise one or more double bonds and

one or two carbon atoms of the cycloalkyl group may be replaced by nitrogen, oxygen or sulfur atoms, and wherein both the cycloalkyl group and the alkyl group may be substituted with hydroxy, halogen, amino, oxo groups with branched or unbranched C₁₋₉ alkyl groups and C₂₋₉ alkenyl groups, wherein the C₁₋₉ alkyl groups and C₂₋₉ alkenyl groups may be substituted with hydrogen, hydroxy, amino, halogen and oxo groups, and the remaining substituents B₁ to B₁₀ present are selected from the group which consists of hydrogen, hydroxy, halogen, amino groups, C₁₋₂₆ alkyl residues; C₁₋₂₆ alkoxy residues, C₁₋₂₆-alkoxy-C₁₋₂₆-alkyl residues or both substituents of a C atom together form an oxo group, wherein each C₁₋₂₆ alkyl residue and each C₁₋₂₆ alkoxy residue may be branched or unbranched and be saturated or unsaturated with one or more double bonds and may be substituted with hydroxy, amino, halogen and oxo groups, in which R₁ is selected from the group which consists of 5- and 6-membered heterocycles with at least one ring nitrogen atom or a polycyclic carbon with at least one of these heterocycles, wherein at least one of these nitrogen atoms belongs to a hydroxamic acid group or a hydroxamic acid ester group, and may be saturated or unsaturated with one or more double or triple bonds and may thus also be aromatic and may be substituted with hydroxy, halogen, amino, oxo groups and with branched or unbranched C₁₋₉ alkyl groups and C₂₋₉ alkenyl groups, wherein the C₁₋₉ alkyl groups and C₂₋₉ alkenyl groups may be saturated or unsaturated with one or more double or triple bonds and may be substituted with hydrogen, hydroxy, amino, halogen and oxo groups, wherein the nitrogen atom of the hydroxamic acid group or hydroxamic acid ester group is substituted with OR₅; and

R₅ is selected from the group which consists of hydrogen, substituted and unsubstituted C₁₋₉ alkyl, substituted and unsubstituted hydroxy-C₁₋₉-alkyl, substituted and unsubstituted C₁₋₉ alkenyl, substituted and unsubstituted C₁₋₉ alkenyl, substituted and unsubstituted aryl, substituted and unsubstituted acyl, substituted and unsubstituted cycloalkyl, substituted and unsubstituted aralkyl, substituted and unsubstituted heterocyclic residue.

14. (CURRENTLY AMENDED) The compound according to claim 13, wherein R₅ is selected from a group consisting of hydrogen, methyl, ethyl, and amide.

15. (CURRENTLY AMENDED) The compound according to claim 13, associated with cations X_3 and X_4 according to one of formulas I'', II'' or III''



wherein X_3 and X_4 are independently selected from a group consisting of hydrogen, a (C₁₋₃) alkyl, a metal from groups I, II or III of the periodic table, ammonium, substituted ammonium, and ammonium compounds derived from ethylenediamine or amino acids.

16. (CURRENTLY AMENDED) The compound according to claim 15, wherein X_3 and X_4 are independently selected from a group consisting of hydrogen, sodium, potassium, methyl and ethyl.

17. (CURRENTLY AMENDED) The compound according to claim 13, wherein A is selected from a group consisting of alkylene, alkenylene, hydroxyalkylene and oxoalkylene.

18. (CURRENTLY AMENDED) The compound according to claim 17, wherein A is selected such that three atoms are present between the nitrogen atom of the heterocyclic group and the phosphorus atom, and further wherein A is selected from a group consisting of methylene, hydroxymethylene, ethylene, ethenylene and hydroxyethylene.

19-22. (CANCELED)

23. (CURRENTLY AMENDED) A pharmaceutical preparation for the therapeutic and prophylactic treatment of infectious processes comprising:

a first pharmaceutically active organophosphorus compound according to claim 13; and

a pharmaceutically acceptable excipient.

24. (CURRENTLY AMENDED) A pharmaceutical preparation according to claim 23, further comprising:

a second pharmaceutically active substance.

* * * * *

END OF LISTING OF CLAIMS